



# environmental enrichment for captive animals

*Robert J. Young*



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# Environmental Enrichment For Captive Animals

**National Wildlife Rehabilitators'  
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## **Environmental Enrichment For Captive Animals:**

Second Nature David J. Shepherdson, Jill D. Mellen, Michael Hutchins, 1999-05-14 Growing recognition of the complexity of animals physical social and psychological lives in the wild has led both zookeepers and the zoo going public to call for higher environmental standards for animals in captivity Bringing together the work of animal behaviorists zoo biologists and psychologists Second Nature explores a range of innovative strategies for environmental enrichment in laboratories and marine parks as well as in zoos From artificial fleeing prey devices for leopards to irregular feeding schedules for whales the practices discussed have resulted in healthier more relaxed animals that can breed more easily and can exert some control over their environments Moving beyond the usual studies of primates to consider the requirements of animals as diverse as reptiles amphibians marine mammals small cats hooved grazers and bears contributors argue that whether an animal forages in the wild or plays computer games in captivity the satisfaction its activity provides rather than the activity itself determines the animal s level of physical and psychological well being Second Nature also discusses the ways in which environmental enrichment can help zoo bred animals develop the stamina and adaptability for survival in the wild and how it can produce healthier lab animals that yield more valid test results Providing a theoretical framework for the science of environmental enrichment in a variety of settings the book renews and extends a humane approach to the keeping and conservation of animals

Environmental Enrichment for Captive Animals Robert J. Young, Vinicius Goulart, 2021-01-19 **Second Nature** David J. Shepherdson, Jill D. Mellen, Michael Hutchins, 2012-01-11 Growing recognition of the complexity of animals physical social and psychological lives in the wild has led both zookeepers and the zoo going public to call for higher environmental standards for animals in captivity Bringing together the work of animal behaviorists zoo biologists and psychologists Second Nature explores a range of innovative strategies for environmental enrichment in laboratories and marine parks as well as in zoos From artificial fleeing prey devices for leopards to irregular feeding schedules for whales the practices discussed have resulted in healthier more relaxed animals that can breed more easily and can exert some control over their environments Moving beyond the usual studies of primates to consider the requirements of animals as diverse as reptiles amphibians marine mammals small cats hooved grazers and bears contributors argue that whether an animal forages in the wild or plays computer games in captivity the satisfaction its activity provides rather than the activity itself determines the animal s level of physical and psychological well being Second Nature also discusses the ways in which environmental enrichment can help zoo bred animals develop the stamina and adaptability for survival in the wild and how it can produce healthier lab animals that yield more valid test results Providing a theoretical framework for the science of environmental enrichment in a variety of settings the book renews and extends a humane approach to the keeping and conservation of animals **Environmental Enrichment** Arun Kumar Mishra, Rajesh Kumar Mohapatra, Siba Prasad Parida, Satyanarayan Mishra, 2021-03-17

Environmental Enrichment is an essential and effective way to improve the welfare of captive animals The book presents

general principles and scientific knowledge on environmental enrichment and case studies on enrichment practices in zoo felids This is a practical yet scientific book that will help to create and evaluate successful enrichment programmes for captive animals considering their natural history The book is a helpful reference tool for those who work with or study animals in captivity Environmental Enrichment for Captive Animals Zoo Outreach Organisation (Coimbatore, India),1994

**Environmental Enrichment** Rajesh Kumar Mohapatra,Siba Prasad Parida,Satyanarayan Mishra,2021-03-04

Environmental Enrichment is an essential and effective way to improve the welfare of captive animals The book presents general principles and scientific knowledge on environmental enrichment and case studies on enrichment practices in zoo felids This is a practical yet scientific book that will help to create and evaluate successful enrichment programmes for captive animals considering their natural history The book is a helpful reference tool for those who work with or study animals in captivity The Science and Practice of Captive Animal Welfare Terry L. Maple,Bonnie M. Perdue,Sally Sherwen,2020-10-12 This eBook is a collection of articles from a Frontiers Research Topic Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series they are collections of at least ten articles all centered on a particular subject With their unique mix of varied contributions from Original Research to Review Articles Frontiers Research Topics unify the most influential researchers the latest key findings and historical advances in a hot research area Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office frontiersin.org about contact **Wild Mammals in Captivity** Devra G. Kleiman,Katerina V.

Thompson,Charlotte Kirk Baer,2010-08-15 Zoos aquaria and wildlife parks are vital centers of animal conservation and management For nearly fifteen years these institutions have relied on Wild Mammals in Captivity as the essential reference for their work Now the book reemerges in a completely updated second edition Wild Mammals in Captivity presents the most current thinking and practice in the care and management of wild mammals in zoos and other institutions In one comprehensive volume the editors have gathered the most current information from studies of animal behavior advances in captive breeding research in physiology genetics and nutrition and new thinking in animal management and welfare In this edition more than three quarters of the text is new and information from more than seventy five contributors is thoroughly updated The standard text for all courses in zoo biology Wild Mammals in Captivity will in its new incarnation continue to be used by zoo managers animal caretakers researchers and anyone with an interest in how to manage animals in captive conditions An Analysis of Human Interaction as Environmental Enrichment for Captive Wolves and Wolf-dog Hybrids

Lindsay R. Mehrkam,2012 The benefits of environmental enrichment for captive mammals are well documented in the scientific literature However many facilities may have limited resources to implement traditional enrichment strategies One possible solution is to provide socialized animals with positive interaction sessions with experienced volunteers Although prior research has questioned whether human interaction alone may serve as enrichment this topic has received little

empirical attention to date The present study aimed to evaluate whether human interaction could be enriching for socialized pair housed wolves and wolf dog hybrids Behavioral observations of each subject were conducted in a reversal design to measure species typical affiliation activity levels and aberrant behaviors when volunteers were both present and absent Results demonstrate high levels of human directed affiliation and significantly higher levels of conspecific directed affiliation when human interaction was made available to subjects relative to baseline conditions Significantly higher activity levels were observed for two thirds of replications during human interaction sessions compared to baselines Individual data across conditions revealed reduced levels of pacing during human interaction sessions for some subjects One wolf dog hybrid engaged in abnormal cage chewing in some baseline conditions following human interaction sessions Social play also increased when caregivers were present suggesting that play among conspecifics may be partially maintained by positive changes in an animal s environment The potential for human interaction to be established as a scientifically validated cost effective enrichment strategy for captive animals is discussed as well as the potential for play as an indicator of good welfare

Animal Models for the Study of Human Disease Kristine Coleman,James L. Weed,Steven J. Schapiro,2013-05-29

Environmental enrichment is an integral part of animal care practices Enrichment generally refers to items we provide to the animals to support their behavioral needs It provides a way to functionally simulate the natural environment of captive animals in an effort to increase opportunities for the expression of species specific behaviors and decrease the occurrence of abnormal behaviors Further enrichment can also be a tool in the study of basic science questions such as how environmental factors may affect disease etiology or progression In this chapter we will examine the use of enrichment in both applied and basic science contexts as a welfare tool and as an experimental model **Stereotypic Animal Behaviour** Georgia

Mason,Jeffrey Rushen,2008-04-09 Abnormal behaviour patterns from the jumping and somersaulting of caged laboratory mice to the pacing of enclosed big cats are displayed by many millions of farm zoo research and companion animals Including new chapters and over 30 contributors this book focuses on the causation and treatment of these environment induced stereotypic behaviours and their implications for animal welfare and normalcy of brain functioning The book begins by taking an ethological perspective focusing on the constraints captivity places on animals normal behavioural repertoires and the effects these have on specific motivational systems It then addresses the role of dysfunction particularly the impact of chronic stress and impoverished environments on brain functioning The book then moves on to explore how stereotypic behaviours can be tackled once they have emerged using diverse techniques from environmental enrichment to pharmaceutical intervention It concludes by giving a new definition for stereotypic behaviour and a discussion of future research directions *Environmental Enrichment for Caged Rhesus Macaques* Viktor Reinhardt,Annie Reinhardt,2001

Environmental enrichment is the provision of stimuli which promote the expression of species appropriate behavioral and

mental activities in an understimulating environment **Environmental Enrichment for Nonhuman Primates Resource**

**Guide, January 1992-February 1999** ,1999      **Women in animal behavior and welfare: 2021** Nicole Kemper,Gabriella Guelfi,2023-01-18      **Animal Technology and Welfare** ,2004      *Studying Captive Animals* Paul A. Rees,2015-03-05

*Studying Captive Animals* outlines the methods that may be used to study the behaviour welfare and ecology of animals living under the control of humans including companion animals feral populations and those living on farms and in zoos This book is a step by step guide to the whole process of conducting a scientific study from designing the original project formulating testable hypotheses and collecting and analysing the data to drawing conclusions from the work and writing it up as a scientific report or paper It also illustrates how to write a formal research proposal a crucial and often difficult element of the student project and how to deal with the ethical review process Sample data collection sheets are provided and the analysis and presentation of data are worked through in diagrammatic form In addition exercises are included that enable the reader to practice analysing different types of data and advice is provided on the selection of appropriate statistical tests The text describes the different types of student projects that may be undertaken in the field and explains where secondary data may be found for zoos This is an insightful resource particularly for those studying and working with zoo and farm animals It is essential reading for students studying zoo biology and animal management it is also suitable for students on courses in animal behaviour animal welfare zoology biology psychology animal science animal production animal ecology conservation biology and veterinary science This book is primarily intended for undergraduates but will also be of value to postgraduate students who have not previously engaged in field studies Professionals working in institutions that are members of the World Association of Zoos and Aquariums the European Association of Zoos and Aquaria and other regional and national zoo organisations will benefit from access to this practical guide      **Wildlife Rehabilitation** National Wildlife Rehabilitators' Association (U.S.). Symposium,2003      **Zoo Animal Welfare** Terry Maple,Bonnie M Perdue,2013-03-22 *Zoo Animal Welfare* thoroughly reviews the scientific literature on the welfare of zoo and aquarium animals Maple and Perdue draw from the senior author's 24 years of experience as a zoo executive and international leader in the field of zoo biology The authors' academic training in the interdisciplinary field of psychobiology provides a unique perspective for evaluating the ethics practices and standards of modern zoos and aquariums The book offers a blueprint for the implementation of welfare measures and an objective rationale for their widespread use Recognizing the great potential of zoos the authors have written an inspirational book to guide the strategic vision of superior welfare oriented institutions The authors speak directly to caretakers working on the front lines of zoo management and to the decision makers responsible for elevating the priority of animal welfare in their respective zoo In great detail Maple and Perdue demonstrate how zoos and aquariums can be designed to achieve optimal standards of welfare and wellness      *Behavioral Research on Captive Mammals* M. Elsbeth McPhee,1998      **Journal of the American Veterinary Medical Association** American Veterinary Medical Association,2011 Vols for 1915-49 and 1956 include the Proceedings of the annual meeting of the association

## **Environmental Enrichment For Captive Animals** Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the energy of words has become more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such could be the essence of the book **Environmental Enrichment For Captive Animals**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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